

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY
PROPOSED

TITLE V NO. V-08-037
COMMONWEALTH ALUMINUM LEWISPORT, LLC
LEWISPORT, KY.
JANUARY 7, 2009
HOSSEIN RAKHSHAN, REVIEWER
PLANT I.D. # 21-091-00010
APPLICATION LOG # F139 (50143), AI#: 1622, APE#20080002

SOURCE DESCRIPTION:

On August 14, 2008, Commonwealth Aluminum submitted a permit renewal application to its existing V-03-049 (R2) permit for a secondary aluminum plant in Lewisport, KY. The plant is classified as a Title V/Synthetic Minor source due to its emissions of regulated and hazardous air pollutants.

Commonwealth Aluminum Lewisport, LLC (CAL) owns and operates an aluminum rolling mill facility. CAL manufactures aluminum coil from purchased aluminum sows, as well as purchased and in-plant generated scrap (including customer returns, both painted and bare scrap). Clean incoming material is generally converted to molten aluminum in one of eight melt furnaces in the South Casthouse, degassed and fluxed to remove entrapped hydrogen and metallic impurities, and cast into ingots. Purchased dirty scrap is received at the scrap metal preparation area, shredded, dried, and delacquered, and transferred to one of the melt furnaces in the North Casthouse. Molten aluminum from the North Casthouse melters is transferred to one of four holding furnaces, fluxed in separate degas/fluxing units, and then cast into ingots. Molten aluminum from the South Casthouse melters is transferred to one of the seven holding furnaces, fluxed in the furnace using Rotary Gaseous Flux Injectors, prior to being cast into ingots.

PUBLIC AND AFFECTED STATE REVIEW:

Affected state (Indiana) was notified of the issuance of the draft permit on January 16, 2009 via e-mail. On January 22, 2009, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in The Hawesville Hancock Clarion in Hawesville, Kentucky. The public comment period expired 30 days from the date of publication.

No comments were received during this period. The final determination of this Division is that the proposed operation will comply with all air quality regulations and requirements. The permit is now being issued as proposed. A final permit will be issued after the U.S. EPA's 45-day review.